Remarks/Arguments

Claims 1-19 are pending and of these; claims 1, 3-4, 6, 11-12, 15, and 17-19 stand rejected under §103(a), claims 2, 5, 13-14, and 16 are objected to but deemed to recite allowable subject matter, and claims 7-10 are allowed.

No claims have been amended. No new matter has been added by any amendments or new claims. A listing of claims and the present status has been provided strictly for the Examiner's convenience.

In view of the comments below, Applicant respectfully requests that the Examiner reconsider the present application including claims 1-6 and 11-17 and withdraw the rejection of these claims.

a) Claims 1, 3-4, 6, 11-12, 15, and 17-19 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Manku, et al. (U.S. Patent No. 6,973,297) and in view of Plymale, Sr., et al. (U.S. Publication No. 2004/0080441).

Claims 1 and 11 are independent claims with claims 3-4, 6, and 17-19 dependent on claim 1 and claims 12 and 15 dependent on claim 11.

Claims 1 and 11 are directed to a system and method which are configured for power management. The claim 1 system includes a power management controller that is configured to control power consumption based on various control parameters and minimal signal

requirements for an analog signal all as claimed. Claim 11 controls a supply bias for a DAC based on various parameters, thus managing power to a system all as claimed.

Manku et al discusses an approach for removing LO leakage and other problems associated with direct conversion receivers (abstract). This is accomplished by using two signals, the product of which is the desired LO and neither of which have significant power at the LO frequency. A feedback scheme is used wherein baseband power is measured (power measurement 110) and a delay is adjusted until the measured baseband power is a minimum (delay detect 112 and delay control 114) (col. 9, lines 19-33). The power measurement and delay detect of Manku et al can be performed in a DSP 118 (col. 9, lines 38-43).

The Examiner maintains that Manku et al shows a power management controller with the DSP for interpreting a plurality of control parameters citing Fig. 5, 118. Applicant disagrees on a number of points. For one, 118 in Manku et al is a DSP. Assuming the Examiner was referring to the power measurement 110 and delay detector 112 (detection of baseband power change with respect to delay) and construing these as the claimed power management controller; Applicant respectfully notes that these entities in Manku et al do not control or are not in any way configured to control power consumption of the portable communications device as required by claim 1. Furthermore, Applicant is unable to construe Manku et al as interpreting a plurality of control parameters. One might argue that measuring power is interpreting one control parameter. If so, where are the one or more additional control parameters that are interpreted.

The Examiner then maintains that "Manku disclose such voltage/current requirements of the converters based upon the analog signals but not explicitly adjusting a bias current used by the DAC. However, Plymate disclose such teaching as claimed (0023-0025, 0029-0033). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention for Manku to utilize such teaching in order to improve the dynamic range and linearity of the converters."

Applicant is unable to find anything in Manku et al that speaks to voltage current requirements of converters based on analog signals. As noted in a previous response, Plymale,Sr. et al is concerned with biasing a DAC to increase dynamic range or alternatively to increase linearity (decrease distortion) by insuring that the DAC works in the "sweet spot" as much as possible (see, e.g., abstract, FIG. 2 relative to FIG.5, etc.). Plymale, Sr. et al has nothing to do with power management or power consumption or control thereof as in claim 1 or 11. It is unclear what motivation the Examiner is citing for looking at Plymale Sr. et al. The Examiner maintains that one would do so to improve dynamic range, etc; however nothing in Manku et al has anything to do with improving dynamic range of a DAC. Applicant respectfully submits that this is an inappropriate combination of references and even if they are combined all features of claim 1 and any dependents are clearly not shown.

With reference to claim 11, various elements are recited including determining the digital multiple access protocol used in the digital input stream. The Examiner cites col. 12, lines 17-23, which is claim 6 of Manku et al. Claim 6 further defines a closed loop erro correction circuit to comprises an error level measurement circuit and a time varying signal modification circuit for

modifying a parameter of one the mixing signals to optimize the error level. Nothing in this passage or the balance of Manku et al shows or suggests determining a multiple access protocol and controlling a supply bias used by a DAC based on this protocol all as claimed. Plymale, Sr. et al has nothing to do with controlling supply bias to a DAC based upon multiple access protocol (MA) or noise requirements.

Thus and similar to claim 1 and dependents, all features of claim 11 or any claim dependent thereon has not been shown or suggested by this combination of references.

For these reasons, Applicant respectfully requests that the Examiner reconsider and withdraw the rejection of claims 1, 3-4, 6, 11-12, 15, and 17-19 under 35 U.S.C. §103(a) as being unpatentable over Manku, et al. (U.S. Patent No. 6,973,297) and in view of Plymale, Sr., et al. (U.S. Publication No. 2004/0080441).

b) Claims 2, 5 13-14 and 16 stand objected to as being dependent upon a rejected base claim but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 2, 5, and 16 depend from claim 1. Claims 13-14 depend from claim 11.

Applicant is appreciative of and concurs with the Examiner's view that these claims recite allowable subject matter. However in view of the above comments, it is clear that claim 1 and claim 11 are each allowable over the references of record and thus Applicant respectfully submits that this objection has been traversed and hence requests that it be withdrawn.

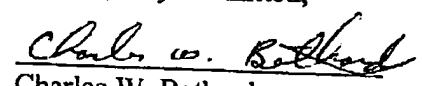
c) Claims 7-10 have been allowed.

Applicant agrees that these claims are allowable over all references of record.

Accordingly, Applicant respectfully submits that the claims, as amended, clearly and patentably distinguish over the cited references of record and as such are to be deemed allowable. Such allowance is hereby earnestly and respectfully solicited at an early date. If the Examiner has any suggestions or comments or questions, calls are welcomed at the phone number below.

Although it is not anticipated that any fees are due or payable since this Amendment is being timely filed within the allowed time frame, the Commissioner is hereby authorized to charge any fees that may be required or credit any overpayments to Deposit Account No. **50-3435**.

Respectfully submitted,



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